

In the claims:

For the Examiner's convenience, all pending claims are presented below with changes shown.

1 1. (Currently Amended) A method, comprising:
2 examining an MPEG stream;
3 identifying packets in the MPEG stream that are associated with navigation points
4 in a playback of the MPEG stream; and
5 storing placing a first component of information on the identified packets in an
6 Extensible Markup Language (XML) file; and
7 storing a second component of information on the identified packets in a binary
8 file a navigation database.

1 2. (Original) The method of claim 1, wherein:
2 examining an MPEG stream includes examining a transport stream.

1 3. (Original) The method of claim 1, wherein:
2 the navigation database is in a separate file from the MPEG stream.

1 4. (Currently Amended) The method of claim 1, wherein:
2 the XML file includes on or more of chapter times, positions and labels, and the
3 binary file includes presentation time and file offset of a packet
4 corresponding to one or more video I-frames.

5 the navigation database is not encoded in the MPEG stream.

1 5. (Original) The method of claim 1, wherein:

2 identifying packets includes identifying packets associated with selected
3 presentation times in the playback.

1 6. (Original) The method of claim 1, wherein:

2 identifying packets includes identifying a packet containing a video I-frame with a
3 presentation time near one of the selected presentation times.

1 7. (Currently Amended) A method, comprising:

2 retrieving a first component of information on specified packets in an MPEG
3 stream from a an Extensible Markup Language (XML) navigation file that
4 is separate from the MPEG stream;

5 retrieving a second component of information from a binary navigation file that is
6 separate from the MPEG stream; and

7 using the retrieved information to navigate the MPEG stream.

1 8. (Original) The method of claim 7, wherein using the retrieved information to
2 navigate includes:

3 identifying a point in the MPEG stream identified by the retrieved information;
4 processing the MPEG stream starting at the point; and
5 presenting at least a portion of the processed MPEG stream.

1 9. (Original) The method of claim 8, wherein:
2 presenting includes presenting video data.

1 10. (Original) The method of claim 8, wherein:
2 presenting includes presenting audio data.

1 11. (Currently Amended) The method of claim 8, wherein:
2 the XML file includes on or more of chapter times, positions and labels, and the
3 binary file includes presentation time and file offset of a packet
4 corresponding to one or more video I-frames.
5 ~~identifying a point includes identifying a video I-frame.~~

1 12. (Currently Amended) A machine-readable medium having stored thereon
2 instructions, which when executed by at least one processor cause said at least one
3 processor to perform operations comprising:
4 examining an MPEG stream;
5 identifying packets in the MPEG stream that are associated with navigation points
6 in a playback of the MPEG stream; and
7 storing placing a first component of information on the identified packets in an
8 Extensible Markup Language (XML) file; and

9 storing a second component of information on the identified packets in a binary
10 file-a navigation database.

1 13. (Original) The medium of claim 12, wherein:
2 examining an MPEG stream includes parsing packets in the MPEG stream.

1 14. (Original) The medium of claim 12, wherein:
2 the navigation database is in a separate file from the MPEG stream.

1 15. (Original) The medium of claim 12, wherein:
2 the navigation database is not encoded in the MPEG stream.

1 16. (Original) The medium of claim 12, wherein:
2 identifying packets includes identifying packets associated with selected
3 presentation times in the playback.

1 17. (Original) The medium of claim 12, wherein:
2 identifying packets includes identifying a video I-frame with a presentation time
3 near one of the selected presentation times.

1 18. (Currently Amended) An apparatus, comprising:
2 a medium to provide an MPEG stream; and

3 an authoring tool coupled to the medium to examine the MPEG stream and to
4 produce a first component of navigation information for a stored in an
5 Extensible Markup Language (XML) navigation file and a second
6 component of information stored in a binary navigation file separate from
7 the MPEG stream.

1 19. (Original) The apparatus of claim 18, further comprising:
2 a storage device to store the navigation file.

1 20. (Original) The apparatus of claim 18, further comprising:
2 a transmission interface to transmit the navigation file.

1 21. (Original) The apparatus of claim 18, wherein:
2 the authoring tool includes a processor and a computer program.

1 22. (Original) The apparatus of claim 18, wherein:
2 the navigation file includes data identifying specific points in the MPEG stream.

1 23. (Original) The apparatus of claim 18, further comprising:
2 a playback component to navigate the MPEG stream based on contents of the
3 navigation file.

1 24. (Currently Amended) A system, comprising:

2 a encoder to encode digitized video and audio data into packets in an MPEG
3 stream;
4 a navigation generator coupled to the encoder to:
5 examine the MPEG stream;
6 generate navigation information on packets associated with specific
7 presentation points in the MPEG stream; and
8 store a first component of the navigation information in a an Extensible
9 Markup Language (XML) navigation file and a second component
10 of information stored in a binary navigation file separate from a file
11 to store the MPEG stream; and
12 a decoder to read and decode portions of the MPEG stream identified by the
13 navigation information.

1 25. (Original) The system of claim 24, further comprising:
2 a player to present the decoded portions of the MPEG stream.

1 26. (Original) The system of claim 24, wherein:
2 the MPEG stream includes timing information for synchronized presentation of the
3 video and audio data.